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Newton ARPA Investment

Accelerated Neighborhood Road Paving - \$8,500,000

In the City of Newton’s FY2021 Budget, developed in the early months of the pandemic in May 2022 when the economy shut down, we cut \$4 million dollars of spending out of our DPW paving budget. In May 2021, I used \$2.5 million of ARPA funds to restore partially the road repair and paving investments as our streets need so much work.

In the fall of 2022, I designated an additional \$4 million in ARPA funds to supplement the City’s accelerated road repair program. The funds will allow us to repave those roads in our neighborhoods which are in the poorest condition along their full length.

The City’s Pavement Condition Index (PCI) program rates all roadways in Newton on a 0-100 scoring system (0 being a poor roadway, 100 being a new one). The scores are based on data obtained from a sophisticated truck-based road radar system conducted City-wide every other year; the scores determine the prioritization of the street repairs. We expect this funding to allow us to repair the full length of those neighborhood roads which currently stand under a Pavement Condition Index (PCI) of 50 in the next two years. (We also have segments of roads that fall below a PCI of 50; we expect to make a lot of progress on these in the next few years as well.) Please know that following our protocols, the decisions on timing may be influenced by underground utility infrastructure improvements.

We have approximately 80 neighborhood roads spread across the City that meet the under 50 PCI classification. Some require a maintenance overlay while others need more substantial rehabilitation. The repairs will be conducted over the next two construction seasons in 2023 and 2024. The first group of roads (approximately 40) will be identified late this winter for the 2023 paving season. Examples of roads that will be fully repaired or repaved include:

	<u>Ward</u>	<u>PCI</u>
Barnes Road	1	42.8
Vineyard Road	2	47.8
Maynard Street	3	47.2
Evergreen Ter	4	28.8
Harrison Street	5	46.8
Wenham Road	6	29.8
Alderwood Road	7	44.5
Arnold Road	8	39.7

The repairs on these roads and segments will create a good riding surface and extend the useful life of the roadways for 10+ years. Roadways will be resurfaced with 1.5"-2" of new asphalt pavement. Utility structures in the roadway will be brought flush to the new pavement surface and driveway aprons will be blended. These repairs will allow users to traverse the roads by vehicle, bicycle or other means of transportation without having to worry about bumps and potholes. Some roads will also require sidewalk repairs or replacement and this work will be included.

On May 1, 2023, I announced a second phase will provide \$2 million to begin addressing streets with PCIs in the 50-55 range, which are also in poor condition. These efforts are focused on elevating the overall pavement condition index to help us transition from reactive to preventative maintenance. The Department of Public Works has begun to plan how this phase 2 will be accomplished during the 2023-2024 period.

This focus on smaller neighborhood roads compliments the City's larger road repair program that is addressing the major thoroughfares. This year portions of Walnut, Lowell, Wheeler, Waltham, Homer and the Commonwealth Avenue Carriageway are being paved.